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Ref: [redacted] STAT

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The contract referenced above is scheduled to terminate on September 15, 1969. Work on the contract began June 15, 1968 and initial work was devoted to the fabrication for evaluation of scattering particle sample screens. Consideration was also given to fabricating masked lenticular screen designs which could offer advantages in screen efficiency, brightness, and retention of aerial image contrast.

After difficulties were resolved in fabricating and delivering optimum quality scattering particle screens, we were able to concentrate efforts toward achieving lenticular screen designs as authorized by the technical representative. The lenticular screen work began in early 1969. This change in project objectives from scattering particle to lenticular screens resulted in our encountering new problems which require more time to reach satisfactory solutions. It has been impossible and impractical to speed up the work due to the custom nature of items needed for the program. The effort expended to date indicates that the masked lenticular screen design is sound; therefore, we do not believe it is advisable to prematurily terminate the program.

Due to the developments mentioned above, we feel that it is advantageous to continue the contract through March 15, 1970. No additional funding would be required for this six-month extension period. Expenses for the continued work would be covered by unused funds from the present contract period.

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August 20, 1969

During the extension period, it is proposed to continue investigations of the lenticular rear-projection screen toward achieving a manufacturable design. Problems have been experienced in the masking and bonding of mylar film substrates. Lenticular screens are not now available due to fabrication difficulties. For this application, fabrication difficulties are compounded by the high resolution requirements.

During the proposed extension period, investigations will center on variations in materials, assembly and masking techniques. The objectives are (1) to improve optical quality; (2) to make the mask by a self-aligning technique; (3) to improve mechanical integrity so that the screens will withstand normal use.

It is estimated that by the end of the present contract period (September 15, 1969), a total of [redacted] in contract funds will be remaining. We would expect to use one scientist and one technician full time on the program for the six-month period. During the proposed extension period (September 15, 1969 through March 15, 1970), the allocation of manpower and funds for the contract would be as follows:

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| | | |
|---|---|---|
| Direct Labor — | Scientist 1032 hrs. | [redacted] |
| | Technician 1032 hrs. | |
| | Total Direct Labor | |
| Overhead Rate @ 130% | | |
| Materials | | |
| Fee @ 7% | | |
| Total Estimated Expenditures During Extension Period | | |

August 20, 1969

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We will appreciate receiving your decision on this matter as soon as possible.

Very truly yours,

STAT [redacted]

DAH:ngw